

# EXHIBIT A

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 12

**Complete if Known**

|                        |                     |
|------------------------|---------------------|
| Application Number     | 10/565,484          |
| Filing Date            | January 17, 2006    |
| First Named Inventor   | CHEUNG, Nai-Kong V. |
| Art Unit               | 1623                |
| Examiner Name          | Eric Olson          |
| Attorney Docket Number | 639-C-PCT-US        |

| U. S. PATENT DOCUMENTS |                       |  |                                |  |   |
|------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*     | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                        | 1                     | US- 7,030,101                            | 04-18-2006                     | Pavliak et al.                                     |   |
|                        | 2                     | US- 6,143,731                            | 11-07-2000                     | Jamas et al.                                       |   |
|                        | 3                     | US- 6,117,850                            | 09-12-2000                     | Patchen et al.                                     |   |
|                        | 4                     | US- 6,020,324                            | 02-01-2000                     | Jamas et al.                                       |   |
|                        | 5                     | US- 5,817,643                            | 10-06-1998                     | Jamas et al.                                       |   |
|                        | 6                     | US- 5,811,542                            | 09-22-1998                     | Jamas et al.                                       |   |
|                        | 7                     | US- 5,804,199                            | 09-08-1998                     | Aasjord et al.                                     |   |
|                        | 8                     | US- 5,783,569                            | 07-21-1998                     | Jamas et al.                                       |   |
|                        | 9                     | US- 5,726,023                            | 03-10-1998                     | Cheever et al.                                     |   |
|                        | 10                    | US- 5,702,719                            | 12-30-1997                     | Byron A. Donzis                                    |   |
|                        | 11                    | US- 5,696,079                            | 12-09-1997                     | Lane et al.  |   |
|                        | 12                    | US- 5,622,940                            | 04-22-1997                     | Gary Ostroff                                       |   |
|                        | 13                    | US- 5,607,677                            | 03-04-1997                     | Jamas et al.                                       |   |
|                        | 14                    | US- 5,576,015                            | 11-19-1996                     | Byron A. Donzis                                    |   |
|                        | 15                    | US- 5,532,223                            | 07-02-1996                     | Jamas et al.                                       |   |
|                        | 16                    | US- 5,037,972                            | 08-06-1991                     | Jamas et al.                                       |   |
|                        | 17                    | US- 4,992,540                            | 02-12-1991                     | Jamas et al.                                       |   |
|                        | 18                    | US- 4,926,094                            | 05-15-1990                     | Bondeson et al.                                    |   |
|                        | 19                    | US- 4,900,722                            | 02-13-1990                     | Williams et al.                                    |   |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |   |   |                |
|--------------------------|-----------------------|---|--------------------------------|---|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T <sup>6</sup> |
|                          |                       | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                |   |   |                |
|                          | 40                    | WO 2007/84661   | 07-26-2007                     | Sloan-Kettering Institute for Cancer Research   |   |                |
|                          | 41                    | WO 2006/119395  | 11-09-2006                     | Biopolymer Engineering                          |   |                |
|                          | 42                    | WO 2006/85895   | 08-17-2006                     | Biopolymer Engineering and Univ Louisville      |   |                |
|                          | 43                    | WO 2005/49044   | 06-02-2005                     | Laboratoires Goemar SA                          |   |                |
|                          | 44                    | WO 2005/27938   | 03-31-2005                     | Laboratoires Goemar SA                          |   |                |
|                          | 45                    | WO 2005/27936   | 03-31-2005                     | Laboratoires Goemar                             |   |                |

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|                    | 20                    | US- 4,705,780                            | 11-10-1987                     | Massot et al.                                      |   |
|                    | 21                    | US- 4,454,289                            | 06-12-1984                     | Nakajima et al.                                    |   |
|                    | 22                    | US- 4,343,784                            | 08-10-1982                     | Massot et al.                                      |   |
|                    | 23                    | US- 4,251,519                            | 02-17-1981                     | Robbins et al.                                     |   |
|                    | 24                    | US- 3,975,553                            | 08-17-1976                     | Henri Griffon                                      |   |
|                    | 25                    | US- 2007/134259                          | 06-14-2007                     | Bundle et al.                                      |   |
|                    | 26                    | US- 2007/59310                           | 03-15-2007                     | Steven J. Karel                                    |   |
|                    | 27                    | US- 2007/20232                           | 01-25-2007                     | Rossignol et al.                                   |   |
|                    | 28                    | US- 2007/263355                          | 11-23-2006                     | Quan et al.  |   |
|                    | 29                    | US- 2006/165700                          | 07-27-2006                     | Ostroff et al.                                     |   |
|                    | 30                    | US- 2006/160766                          | 07-20-2006                     | Nai-Kong V. Cheung                                 |   |
|                    | 31                    | US- 2006-0020128                         | 01-26-2006                     | Nai-Kong V. Cheung                                 |   |
|                    | 32                    | US- 2006/09419                           | 01-12-2006                     | Ross et al.  |   |
|                    | 33                    | US- 2005/208079                          | 09-22-2005                     | Cassone et al.                                     |   |
|                    | 34                    | US- 2005/118187                          | 06-02-2005                     | Baofa Yu   |   |
|                    | 35                    | US- 2002/119928                          | 08-29-2002                     | Bill H. McAnalley                                  |   |
|                    | 36                    | US- 2002/44919                           | 04-18-2002                     | Baofa Yu   |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |

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|                    | 46                    | WO 2004/30613   | 03-16-2004                     | University of Louisville Research                  |   |                |
|                    | 47                    | WO 2003/54077   | 07-03-2003                     | Ceapro Inc.  |   |                |
|                    | 48                    | WO 2003/004507  | 01-16-2003                     | Research Center for Eco-Environmental Sci          |   |                |
|                    | 49                    | WO 2002/58711   | 08-01-2002                     | Sloan-Kettering Institute for Cancer Research      |   |                |
|                    | 50                    | WO 2001/80807   | 11-01-2001                     | Laboratoires Gomar SA                              |   |                |
|                    | 51                    | WO 2001/68105   | 11-20-2001                     | Eurand Pharmaceutical                              |   |                |

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## U. S. PATENT DOCUMENTS

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|                          | 52                    | WO 1999/52548   | 10-21-1999       | Lees et al.                                     |   |                |
|                          | 53                    | WO 1991/03248   | 03-21-1991       | Alpha Beta Technology Inc.                      |   |                |
|                          | 54                    | EP 0463540A1  | 02-01-1992       | Taito Co., et al.                               |   |                |
|                          | 55                    | DE 30 19 614 A1   | 12-03-1981       | Matsueda et al.                                 |   |                |
|                          |                       |   |                  |   |   |                |
|                          |                       |   |                  |   |   |                |

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| OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|---|-----------------------|---|----------------|
| Examiner Initials*                              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|   | 37                    | Supplementary Partial European Search Report, February 5, 2008, for European Application No. EP 02 70 7502, filed August 4, 2003 for SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH.   |                |
|   | 38                    | PCT International Search Report for SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, September 26, 2007, Int'l Application No. PCT/US07/01427 (Atty. Dkt. #639-F-PCT), Filed January 18, 2007.  |                |
|   | 39                    | PCT Written Opinion of the International Searching Authority for SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, September 26, 2007, Int'l Application No. PCT/US07/01427 (Atty. Dkt. #639-F-PCT), Filed January 18, 2007.                                       |                |
|   | 56                    | Chinese Office Action, May 9, 2008, for SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, Chinese Application No. 200480020356.6 (Atty. Dkt. #639-C-PCT-CN), Filed January 16, 2006, corresponding to PCT/US04/23099.  |                |
|   | 57                    | U.S. Office Action, March 5, 2008, for Nai-Kong V. CHEUNG, U.S. Serial No. 11/334,763 (Atty. Dkt. #639-E-US), Filed January 17, 2006.   |                |
|   | 58                    | U.S. Office Action, August 7, 2007, for Nai-Kong V. CHEUNG, U.S. Serial No. 11/218,044, Filed August 31, 2005. (Atty Dkt. #639-BZ-PCT-US).  |                |
|   | 59                    | U.S. Office Action, August 7, 2007, for Nai-Kong V. CHEUNG, U.S. Serial No. 10/621,027, Filed July 16, 2003. (Atty. Dkt. #639-B-PCT-US).  |                |
|   | 60                    | U.S. Office Action, January 4, 2007, for Nai-Kong V. CHEUNG, U.S. Serial No. 10/621,027, Filed July 16, 2003. (Atty. Dkt. #639-B-PCT-US).   |                |
|   | 61                    | U.S. Office Action, November 22, 2006, for Nai-Kong V. CHEUNG, U.S. Serial No. 11/218,044, Filed August 31, 2005. (Atty. Dkt. #639-BZ-PCT-US).  |                |
|   | 62                    | U.S. Office Action, March 10, 2006, for Nai-Kong V. CHEUNG, U.S. Serial No. 11/218,044, Filed August 31, 2005. (Atty. Dkt. #639-BZ-PCT-US).   |                |

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**OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
|                    | 63                    | U.S. Office Action, March 6, 2006, for Nai-Kong V. CHEUNG, U.S. Serial No. 10/621,027, Filed July 16, 2003. (Atty. Dkt. #639-B-PCT-US).   |                |
|                    | 64                    | U.S. Office Action, July 13, 2005, for Nai-Kong V. CHEUNG, U.S. Serial No. 10/621,027, Filed July 16, 2003. (Atty. Dkt. #639-B-PCT-US).   |                |
|                    | 65                    | U.S. Office Action, December 17, 2004, for Nai-Kong V. CHEUNG, U.S. Serial No. 10/621,027, Filed July 16, 2003, (Atty. Dkt. #639-B-PCT-US).   |                |
|                    | 66                    | Beta Glucan Health Center webpage, November 10, 2000, "PLEURAN—Beta-1,3/1-6-Glucan," <a href="http://www.glucan.com/therapy/therapy.com">http://www.glucan.com/therapy/therapy.com</a> .  |                |
|                    | 67                    | 1999 The Merck Manual of Diagnosis and Therapy, 397-398, 948-949, 1916, 1979-1981.  |                |
|                    | 68                    | ADACHI et al., 1990, "Macrophage Activation in Vitro by Chemically Cross-Linked (1-3)-β-D-Glucans", Chem. Pharm. Bull., 38(4):988-992.  |                |
|                    | 69                    | AZUMA, Ichiro, "Development of Immunostimulants in Japan", Immunostimulants: Now and Tomorrow, 41-56.   |                |
|                    | 70                    | BERGMAN et al., 1999, "Treatment of Neoplastic Meningeal Xenografts by Intraventricular Administration of an Antiganglioside Monoclonal Antibody, 3F8," Int. J. Cancer, 82:538-548  |                |
|                    | 71                    | BLUHM et al., 1977, "The triple helical structure of lentinan, a linear β-(1→3)-D-glucan", Can J Chem, 55:293-299.  |                |
|                    | 72                    | BOGWALD et al., 1982, "The Cytotoxic Effect of Mouse Macrophages Stimulated in Vitro by a β-1,3-D-Glucan from Yeast Cell Walls", Scandinavian Journal of Immunology, 15:297-304.  |                |

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|--------------------|-----------------------|---|----------------|
|                    | 73                    | BOHN, J.A., and BeMiller, J.N., 1995, "(1→3)-β-Glucans as biological response modifiers: a review of structure-functional activity relationships," Carbohydrate Polymers, 28:3-14   |                |
|                    | 74                    | BOWERS et al., 1989, "Glucan Enhances Survival in an Intraabdominal Infection Model", Journal of Surgical Research, Vol 47(2):183-188   |                |
|                    | 75                    | CAPURRO et al., 1998, "FC-2.15, a monoclonal antibody active against human breast cancer, specifically recognizes Lewisx hapten," Cancer Immunol. Immunother., 45:334-339   |                |
|                    | 76                    | CHEUNG, N.-K. V., et al., 2002, "Quantitation of GD2 Synthase mRNA by Real-Time Reverse Transcription-Polymerase Chain Reaction – Utility in Bone Marrow Purging of Neuroblastoma by Anti-GD2 Antibody 3F8," Cancer, 94:3042-3048                               |                |
|                    | 77                    | CHEUNG, N.-K. V., et al., June 1985, "Monoclonal Antibodies to a Glycolipid Antigen on Human Neuroblastoma Cells," Canc. Res., 45:2642-2649   |                |
|                    | 78                    | CHIHARA et al., 1970, "Fractionation and purification of the polysaccharides with Marked Antitumor Activity, Especially Lentinan, from Lentinus edodes (Berk.) Sing. (an Edible Mushroom)", Cancer Res, 30:2776-2781  |                |
|                    | 79                    | CHIHARA et al., 1981, "The antitumor polysaccharide Lentinan: an overview", Manipulation of Host Defence Mechanisms, 1-16   |                |
|                    | 80                    | CHIHARA et al., 1982, "Current Status and Perspectives of Immunomodulators of Microbial Origin", International Journal of Tissue Reactions, 4:207-225   |                |
|                    | 81                    | DAMGE et al., December 1996, "Intestinal absorption of PLAGA microspheres in the rat," J. Anat., 189:491-501  |                |
|                    | 82                    | D'AMICO et al., 2000, "Molecular Biologic Substaging of Stage I Lung Cancer According to Gender and Histology," Ann. Thorac. Surg., 69:882-886  |                |

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| Filing Date            | January 17, 2006    |
| First Named Inventor   | CHEUNG, Nai-Kong V. |
| Art Unit               | 1623                |
| Examiner Name          | Eric Olson          |
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|                    | 83                    | DAVID et al., 1996, "Growth arrest of solid human neuroblastoma xenografts in nude rats by natural IgM from healthy humans," Nature Medicine, 2:686-689   |                |
|                    | 84                    | DI LUZIO et al., 1985, "Glucans as Immunomodulators", Advances in Immunopharmacology, Pergamon Press, NY, 369-375   |                |
|                    | 85                    | DI LUZIO et al., 1980, "Comparative Evaluation of the Tumor Inhibitory and Antibacterial Activity of Solubilized and Particulate Glucan", Recent Results in Cancer Research, 75:165-172   |                |
|                    | 86                    | DI LUZIO, Nicholas R., 1985, "Update on the Immunomodulating Activities of Glucans", Springer Seminars in Immunopathology, 8:387-400  |                |
|                    | 87                    | DI LUZIO, Nicholas R., 2003, "Immunopharmacology of glucan: a broad spectrum enhancer of host defense mechanisms", T.I.P.S., 344-347  |                |
|                    | 88                    | ENGLER et al., April 1, 2001, "A Novel Metastatic Animal Model Reflecting the Clinical Appearance of Human Neuroblastoma: Growth Arrest of Orthotopic Tumors by Natural, Cytotoxic Human Immunoglobulin M Antibodies," Cancer Research 61:2968-2973             |                |
|                    | 89                    | FLORENCE A., 1997, "The oral absorption of micro- and nanoparticles: Neither exceptional nor unusual," Pharmaceutical Research, 14(3):259-266   |                |
|                    | 90                    | FURUE et al., 1985, "Clinical evaluation of schizophyllan (SPG) in advanced gastric cancer (the second report): a randomized controlled study," Gan To Kagaku Ryoho, 12: 1272-1277  |                |
|                    | 91                    | HAMURO et al., 1971, "The significance of the higher structure of the polysaccharides lentinan and pachymaran with regard to their antitumor activity", Chem. Biol. Interactions, 3:69-71   |                |
|                    | 92                    | HAMURO et al., 1978, "Solid phase activation of alternative pathway of complement by $\beta$ -1,3-glucans and its possible role for tumor regressing activity", Immunology, 34:695-705  |                |

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|   | 93                    | HARADA et al., 1997, "Oral Administration of PSK can Improve the Impaired Anti-Tumor CD4+ T-Cell Response in Gut-Associated Lymphoid Tissue (GALT) of Specific-Pathogen-Free Mice," Int. J. Cancer, 70:362-372   |                |
|   | 94                    | HELLSTROM, I. et al., September 1986, "Antitumor effects of L6, and IgG2a antibody that reacts with most human carcinomas," Proc. Natl. Acad. Sci. USA, 83:7059-7063   |                |
|   | 95                    | HERRE et al., February 2004, "Dectin-1 and its role in the recognition of $\beta$ -glucans by macrophages," Mol. Immunol. 40(12):869-876   |                |
|   | 96                    | HERRERA et al., 2000, "Immunotoxins against CD19 and CD22 are effective in killing precursor-B acute lymphoblastic leukemia cells in vitro," Leukemia, 14:853-858  |                |
|   | 97                    | JAMAS et al., 1990, "Spectral Analysis of Glucan Produced by Wild-Type and Mutant Saccharomyces cerevisiae", Carbohydrate Polymers, 13:207-219   |                |
|   | 98                    | JANI et al., December 1990, "Nanoparticle uptake by the rat gastrointestinal mucosa: quantitation and particle size dependency," J. Pharm. Pharmacol., 42:821-826  |                |
|   | 99                    | KERNODLE et al., March 1998, "Prophylactic Anti-Infective Activity of Poly-[1-6]- $\beta$ -D-Glucopyranosyl-[1-3]- $\beta$ -D-Glucopyranose Glucan in a Guinea Pig Model of Staphylococcal Wound Infection," Antimicrobial Agents and Chemotherapy, 42(3):545-549  |                |
|   | 100                   | KIM, Y.-S., et al., October 20, 2000, "Gram-negative Bacteria-binding Protein, a Pattern Recognition Receptor for Lipopolysaccharide and $\beta$ -1,3-Glucan That Mediates the Signaling for the Induction of Innate Immune Genes in Drosophila melanogaster Cells," J. Biol. Chem., 275(42):32721-32727 |                |
|   | 101                   | KIRBY et al., 1981, "Oat-bran intake selectively lowers serum low-density lipoprotein cholesterol concentrations of hypercholesterolemic men", American Journal of Clinical Nutrition, 34:824-829  |                |
|   | 102                   | KOMATSU et al., 1975, "Influence of Schizophyllan, Streptomycin and Rifampicin on Histopathological changes in mice infected with Tubercle Bacilli", Japanese Journal of Antibiotics, XXVII(4):549-557. (English abstract included)  |                |

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|   | 103                   | KOTERA, Y., et al., June 1, 1994, "Humoral Immunity against a Tandem Repeat Epitope of Human Mucin MUC-1 in Sera from Breast, Pancreatic, and Colon Cancer Patients," Cancer Res., 54:2856-2860   |                |
|   | 104                   | MAEDA et al., 1971, "Lentinan, a new immune-accelerator of cell-mediated responses", Nature, 229:634  |                |
|   | 105                   | MALONEY et al., September 15, 1997, "IDEC-C2B8 (Rituximab) Anti-CD20 Monoclonal Antibody Therapy in Patients With Relapsed Low-Grade Non-Hodgkin's Lymphoma," Blood, 90(6):2188-2195  |                |
|   | 106                   | MATZINGER, P., 1994, "Tolerance, Danger, and the Extended Family," Annu. Rev. Immunol., 12:991-1045   |                |
|   | 107                   | MAYELL M, February 2001, "Maitake Extracts and Their Therapeutic Potential -- A Review," Altern. Med. Rev., 6(1):48-60  |                |
|   | 108                   | MENDELSON et al., 1988, "Monoclonal Antibodies Against the Receptor for Epidermal Growth Factor as Potential Anticancer Agents," Cellular and Molecular Biology of Tumors and Potential Clinical Applications, 307-312  |                |
|   | 109                   | MENDELSON, J., December 1997, "Epidermal Growth Factor Receptor Inhibition by a Monoclonal Antibody as Anticancer Therapy," Clin. Cancer Res., 3:2703-2707  |                |
|   | 110                   | NAKAO et al., 1983, "Clinical evaluation of schizophyllan (SPG) in advanced gastric cancer—a randomized comparative study by an envelope method," Gan To Kagaku Ryoho, 10: 1146-1159  |                |
|   | 111                   | NAKAZATO et al., 1994, "Efficacy of immunotherapy as adjuvant treatment after curative resection of gastric cancer," The Lancet, 343:1122-1126  |                |
|   | 112                   | HIROAKI NANBA and KEIKO KUBO, 1997, "Effect of Maitake D-Fraction on Cancer Prevention," Annal. N.Y. Acad. Sci. 833:204-207   |                |

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|   | 113                   | NICOLOSI et al., 1999, "Plasma lipid changes after supplementation with $\beta$ -glucan fiber from yeast," Am. J. Clin. Nutr., 70:208-212   |                |
|   | 114                   | OHNO et al., 2000, "Antitumor 1,3- $\beta$ -Glucan from Cultured Fruit Body of Sparassis crispa," Biol. Pharm. Bull., 23(7):866-872   |                |
|   | 115                   | OLLERT et al., April 1996, "Normal human serum contains a natural IgM antibody cytotoxic for human neuroblastoma cells," Proc. Natl. Acad. Sci. USA, 93:4498-4503   |                |
|   | 116                   | OLLERT et al., October 1997, "Mechanisms of in vivo antineuroblastoma activity of human natural IgM," European Journal of Cancer, 33(12):1942-1948  |                |
|   | 117                   | ONIZUKA et al., July 1, 1999, "Tumor Rejected by in Vivo Administration of Anti-CD25 (Interleukin-2 Receptor $\alpha$ ) Monoclonal Antibody," Cancer Research, 59:3128-3133   |                |
|   | 118                   | OXFORD TEXTBOOK OF ONCOLOGY, 1995, "Chemotherapy: General Aspects", Peckham, Pinedo and Veronesi, ed., Vol. 1, 447-453  |                |
|   | 119                   | PATCHEN et al., 1984, "Soluble Polyglycans Enhance Recovery from Cobalt-60-Induced Hemopoietic Injury", Journal of Biological Response Modifiers, 3:627-633   |                |
|   | 120                   | PEAT et al., 1958, "Polysaccharides of Baker's Yeast. Part II. Yeast Glucan", Journal Chem. Soc. Part 1, 3862-3868  |                |
|   | 121                   | RAI, K.R. and GUPTA, N., June 2000, "Monoclonal Antibodies in Chronic Lymphocytic Leukemia," Rev. Clin. Exp. Hematol., 4:2:134-144  |                |
|   | 122                   | REN et al., 1997, "Mechanisms of Anti-Lung Cancer Activity for Monoclonal Antibody to Epidermal Growth Factor Receptor," Disi Junyi Daxue Xuebao, 18(6):560-562 (abstract only)   |                |

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|                    | 123                   | ROBBINS et al., 1977, "Cholesterol Lowering Effect of Dietary Yeast and Yeast Fractions", Journal of Food Science, 42 (3):694-698   |                |
|                    | 124                   | SAITO et al., 1977, "A C-N.M.R.-spectral study of a gel forming, branched (1→3)-β-D-Glucan, (Lentinan) from Lentinus edodes, and its acid-degraded fractions. Structure, and Dependence of Confirmation on the Molecular Weight", Carbohydrate Research, 58:293-305 |                |
|                    | 125                   | SASAKI et al., 1976, "Antitumor Activity of Degraded Products of Lentinan: it's Correlation with Molecular Weight", Gann, 67:191-195  |                |
|                    | 126                   | SELJELID et al., 1977, "Glycan Stimulation of Macrophages in Vitro", Experimental Cell Research, 131:121-129  |                |
|                    | 127                   | SELJELID et al., 1986, "A water soluble aminated β-1,3-D-glucose derivative caused regression of solid tumors in mice", Bioscience Reports 6:845-852  |                |
|                    | 128                   | SINGH et al., 1974, "Scleroglucan, an antitumor polysaccharide from Sclerotium glaucum", Carbohydrate Research, 37:245-247  |                |
|                    | 129                   | SLOVIN, S.F. et al., May 1999, "Carbohydrate vaccines in cancer: Immunogenicity of a fully synthetic globo H hexasaccharide conjugate in man," Proc. Natl. Acad. Sci. USA, 96:5710-5715   |                |
|                    | 130                   | SOIFFER et al., 1997, "Administration of R24 Monoclonal Antibody and Low-Dose Interleukin 2 for Malignant Melanoma," Clinical Cancer Research, 3:17-24  |                |
|                    | 131                   | SONG et al., "Yeast glucan and immunotherapy of infectious diseases", Yeast glucan and immunotherapy, chapter 18, 533-545   |                |
|                    | 132                   | TORISU et al., 1990, "Significant prolongation of disease-free period gained by oral polysaccharide K (PSK) administration after curative surgical operation of colorectal cancer," Cancer Immunology Immunotherapy, 31 (5):261-268                                 |                |

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